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From-PILLSBURY WINTHROP LLP SV V#1WB P.007/017 Oct-22-04 04:37pm 6502334545 T-682 F-816 ORIGINAL/SUBSTITUTE/SUPPLEMER TO L ЬN FOR PATENT APPLIC IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATIONS As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED Decoding System and Method for Digital Communications the specification of which (CHECK applicable BOX(ES)) A. 🔲 is attached hereto. . BOX(ES) B. 🛛 was filed on as U.S. Application No. 09/816,810 March 23, 2001 C. Was filed as PCT International Application No. PCT/ and (If applicable to U.S. or PCT application) was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. Lacknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.58. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 385(b) of any foreign application(s) for patent or inventor's certificate, or 385(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application: PRIOR FOREIGN APPLICATION(S) Date first Laid-**Data Patented** Day/MONTH/Year Filed Number open or Published Country or Granted Priority NOT Claimed H more prior foreign applications. X box at bottom and continue on attached page,
Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the Indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insufer as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S) Status Priority NOT Claimed Application No. (series code/serial no.) Day/MONTH/Year Filed pending, shandoned, patented 60/271.615 February 26, 2001 Pending 09/535,902 March 24, 2000 Pending I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And I hereby appoint Pilisbury Winthrop LLP, Intellectual Property Group, 1100 New York Avenue, N.W., Ninth Floor, East Tower, Washington, D.C. 20005-3918, telephone number (202) 881-3000 (to whom all communications are to be directed), and the below-named persone (of the same address) individually and collectively my efformeys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete names/numbers below of persons no longer with their firm and to act and roly on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above Firm and/or a below attorney in writing to the contrary. Paul N. Kokulis 30368 16773 Kendrew H. Cotton Roger R. Wise 31204 Anthony L. Miele 34393 G. Lloyd Knight 17698 G. Paul Edgell 24238 Michael R. Dzwonczyk 36787 Robert J. Walters 40RR2 Kevin E. Joyce 20508 Lynn E. Eccleston 35861 Jack S. Barufica 37087 Brian J. Beatus 38825 George M. Šinīla David A. Jakooin 18221 32995 Adam R. Hess 41835 edol, adol. 28429 Mark G. Paulson Donald J. Bird William P. Atkins 25323 30793 38821 Mark C. Pickering 36239 28872 Dale S. Lazar Stephen C. Glazier 31361 Paul L. Sharer 36004 David H. Jaffer 32243 Glenn J. Peny 28458 Richard H. Zaitten 27248 Robin L. Teskin 35030 (1) INVENTOR'S SIGNATURE: Date: John S Thomson Residence Santa Clara California Canada 450 Oak Grove Drive, #202, Santa Clara California Mailing Address (Include Zip Code) 95054 9/5/2001 (2) INVENTOR'S SIGNATURE:

Paul J. Husted

Residence El Cemto California United States of America

Malling Address 5930 Lassen Street, El Cemto, California
(include Zip Code) 94530

Atty. Dkt. No. <u>73169/278101</u> (C/M#)

	Patent Appln. No. 09/8/6,810 pw File No. 73/64-2 In the Matter of the Application of Thomson 6+ al. Title: Decoding System and Method for Diffigure Mailed: 7/26/02 The following has been received in the U.S. Patent and Trade	gal Communications Due Date:			
भू	Transmittal letter Patent Application — pgs. Specification including Claims, Abstract Drawthgs sheets formal informal — Assignment w/form PTO-1S95 Power of Attorney — Small Entity Statement — Deposit Account Authorization (in duplicate) — Information Disclosure Statement, PTO-1449 w/_ refs. — Check \$ _1.30.00 — Amendment/Response — Request for Extension of Time months) (patents) — Terminal Disclaimer — Notice of Appeal — Appeal Brief (in triplicate)	<u>×</u> ×	Request For		
	Letter to Official Draftsperson Maintenance Fee Transmittal Non Publication Request	$\stackrel{\prime}{=}$			

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Atty. Docket: 073169-0278101

Inventor: THOMSON et al.

From-PILLSBURY WINTHROP LLP SV V#1WB

Appln. No. 09/816,810

Group Art Unit: Not Yet Assigned

Filed: March 23, 2001

Examiner: Not Yet Assigned

Title:

Decoding System and Method for Digital Communications

Date: July 26, 2002

CERTIFICATE OF MAILING

L Rachel K. McLendon Kent, hereby certify that:

A Petition under 37 C.F.R. 1.48(a) for Correction of Inventorship (2 pgs); a Statement of Assignee under 37 C.F.R. 1.48(a)(5) (2 pgs); Statements of Added Joint Inventors under 37 C.F.R. 1.48(a)(2) (2 pgs); an executed Declaration and Power of Attorney under 37 C.F.R. 1.63 (2 pgs); a check for \$130.00; and a return receipt postcard

are being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Date: July 26, 2002

achel K. McLendon Kent



In re PATENT APPLICATION of THOMSON, et al.

Appln. No.: 09/816,810

Group Art Unit: Unassigned

Filed: March 23, 2001

Examiner: Unassigned

Title: Decoding System and Method for Digital Communications

July 26, 2002

Petition under 37 C.F.R. 1.48(a) for Correction of Inventorship

Hon. Commissioner for Patents and Trademarks U.S. Patent and Trademark Office Washington, D.C. 20231

Sir:

Petition is hereby made under 37 C.F.R. 1.48(a) to add as joint inventors:

ARDAVAN M. TEHRANI; JEFFREY M. GILBERT; WILLIAM J. MCFARLAND; LARS E. THON; and YI-HSIU WANG

Attached, as required by Rule 48(a), are:

- Statements of no deceptive intent by added joint inventors Ardavan M. Tehrani,
 Jeffrey M. Gilbert, William J. McFarland, Lars E. Thon, and Yi-Hsin Wang.
- Declarations and Powers of Attorney of added joint inventors Ardavan M. Tehrani, Jeffrey M. Gilbert, William J. McFarland, Lars B. Thon, and Yi-Hsiu Wang. A declaration and power of attorney was executed by original joint inventors John S. Thomson and Paul J. Husted on September 5, 2001 and was submitted to the Patent Office on October 18, 2001.

-1-

- 3. Written consent of the assignee, ATHEROS COMMUNICATIONS, Inc..
- 4. The processing fee (\$130.00) set forth in Rule 17(i). Should that fee be missing or inadequate please charge the deficiency to Deposit Account 03-3975 under Order No. 073169/0278101.

Please issue a corrected filing receipt naming the corrected inventorship.

From-PILLSBURY WINTHROP LLP SV V#1WB

Respectfully submitted,

PILLSBURY WINTHROP LLP

Ross L. Franks

Reg. No. 47,233

Tel. No.: (650) 233-4897 Fax No.: (650) 233-4545

1600 Tysons Boulevard McLean, VA 22102 (703) 905-2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the PATENT APPLICATION of THOMSON, et al.

Appln. No.: 09/816,810

Group Art Unit: Unassigned

Filed: March 23, 2001

Examiner: Unassigned

Title: Decoding System and Method for Digital Communications

June 25, 2002

Statements of Added Joint Inventors under 37 C.F.R. 1.48(a)(2)

Hon. Commissioner for Patents and Trademarks U.S. Patent and Trademark Office Washington, D.C. 20231

Sir:

I, Ardavan M. Tehrani, Jeffrey M. Gilbert, William J. McFarland, Lars E. Thon, and Yi-Hsiu Wang, do hereby declare and state as follows:

- 1. I am an original and joint inventor of the above-identified application as it was originally filed in the U.S. Patent & Trademark Office, together with the named joint inventors John S. Thomson and Paul J. Husted.
- 2. Without deceptive intent on my part, my name was erroneously omitted from the list of joint inventors on the application as it was originally filed.
- 3. I hereby declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are

-1-

Thomson, et al. Ser. No. 09/816,810 punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the present application or any patent issued thereon.

From-PILLSBURY WINTHROP LLP SV V#1WB

	Signature	Date Signed	Witness	
1)	Avelua Lelle Telle Name: Ardavan M. Tehrani	n 6/25/02	harl	
2)	Name Jeffrey M. Gilbert	6/25/02	Aar	·
3)	Mame: Wifliam J. McFarland	8/23/02	Aanl	
4)	Rame: Lars E. Thon	2001-07-72	2	
5)/	Nyme/Yi-Hsiu Wang	6/25/02	Adal	

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04:39pm



In re PATENT APPLICATION of THOMSON, et al.

Appln. No.: 09/816,810

Group Art Unit: Unassigned

Filed: March 23, 2001

Examiner: Unassigned

Title: Decoding System and Method for Digital Communications

June 25, 2002

Statements of Assignee under 37 C.F.R. 1.48(a)(5)

Hon. Commissioner for Patents and Trademarks U.S. Patent and Trademark Office Washington, D.C. 20231

Sir:

I, Adam Tachner, acting in my official capacity as Intellectual Property Counsel, on behalf of Atheros Communications, Inc., a Delaware corporation, having its principal place of business at 529 Almanor Ave., Sunnyvale, California 94085, do hereby declare and state as follows:

- 1. Atheros Communications, Inc. is assignee of the above-identified application.
- Atheros Communications, Inc. obtained ownership in the application from the original named joint inventors, John S. Thomson and Paul J. Husted, by an assignment recorded on November 21, 2001 with the U.S. Patent and Trademark Office.

-1-

Thomson, et al. Ser. No. 09/816,810

- 3. Documentary evidence of the Atheros Communications, Inc. ownership in the above-identified application is recorded on Reel 012317 and Frame 0047 of the assignment records of the U.S. Patent and Trademark Office.
- 4. Atheros Communications, Inc. hereby consents to the correction of inventorship for the above-identified application by the addition of joint inventors Ardavan M. Tehrani, Jeffrey M. Gilbert, William J. McFarland, Lars E. Thon, and Yi-Hsiu Wang.
- 5. I hereby declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the present application or any patent issued thereon.

Signed this day, the 25 day of June, 2002.

Adam Tachner

Intellectual Property Counsel
Atheros Communications, Inc.

From-PILLSBURY WINTHROP LLP SV V#1WB 04:40pm

FOR UTILITY/DESIGN

CIP/PCT NATIONAL/PLANT

ORIGINAL/SUBSTITUTE/SUPPLEMENTAL



RULE 63 (37 C.F.R. 1.63) DECLARATION AND POWER OF ATTORNEY

PW **FORM**

FOR PATENT APPLICATION
STATES PATENT AND TRADEMARK OFFICE

	ARATIONS			SIAIESPAIENI			
As a below named inv	entor, I hereb	y declare that my resider	nce, post offic	e address and citizen:	ship are as stat	ed below next to m	ny name, and I believe
am the original first a	and sole inver	ntor (if only one name is)	listed below) o	or an original, first and	joint inventor (i	f plutal names are	listed below) of the
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William P. Atkins	38821	Adam R. Hess	41835	G. Lloyd Knight	17698	George M. Siril	
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Thomson, et al. Ser. No. 09/816,810

Santa Clara

95054

Residence

Mailing Address (include Zip Code)

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Canada

Country of Citizenship

California

450 Oak Grove Drive, #202, Santa Clara, CA

State/Foreign Country



(2) INVENTOR	'S SIGNATURE:	previously signed and	submitted on 10/1	[8/2001] Date: [previously dated 09/05/2001]
	Paul		J.	Husted
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